

ABSTRACT

A drill bit assembly includes a drill bit having a leading end to which a drill tip is bonded. The drill tip has a front cutting edge, a pair of side cutting edges, a rear end and a pair of parallel side walls extending between the
5 respective edges. The leading end is arranged to support the drill tip along the rear end and against the parallel side walls. The drill bit includes a bore extending axially therethrough and opening into the leading end. The drill tip extends across the bore but permits egress of flushing liquid from the bore. The drill tip includes projections arranged to cooperate with an engagement
10 face formed at the leading end to locate the drill tip in a bonding position relative to the leading end prior to bonding of the drill tip to the leading end. The cooperation is such as to resist shifting movement of the drill tip in a direction of elongation of the tip and out of the bonding position.